

From: [Jay Field](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#)
Cc: [jeremy_buck@fws.gov](#); [Joe Goulet/R10/USEPA/US@EPA](#); [Jennifer L Peterson](#); [Burt Shephard/R10/USEPA/US@EPA](#); [Robert.Neely@noaa.gov](#); [rgensemer@parametrix.com](#); [sheila@ridolfi.com](#); [jpeers@stratusconsulting.com](#); [Bob Dexter](#); [mesl@shaw.ca](#); [POULSEN Mike](#)
Subject: Re: Fw: Supporting Information for Benthic Risk Evaluation
Date: 10/06/2009 12:52 PM

Eric,

a couple of clarifications:

1) the results of PYO-PTO analysis should be provided in a spreadsheet with the classification for each sample and the station coordinates. the technical basis for the classification should be provided in detail in an attachment.

2) the FPM model threshold values for each chemical and endpoint and for the selected low/high models should be provided in a spreadsheet.

3) the toxicity results for each sample and endpoint should be provided in a spreadsheet including the test response value, control-normalized value, statistical significance (including identification of indeterminate samples with insufficient power to determine significance), and the toxicity threshold classification (0, 1, 2 or 3).

Jay

Blischke.Eric@epamail.epa.gov wrote:

Here is the message I sent to the LWG last week regarding supporting information regarding the benthic risk evaluation. We expect to receive this in early to mid-November. If there is any other supporting information that we will need to evaluate the empirical toxicity results and the two predictive models, please let me know.

Thanks, Eric

----- Forwarded by Eric Blischke/R10/USEPA/US on 10/06/2009 12:28 PM -----

Eric Blischke/R10/USEPA/US

10/02/2009 04:59 PM

To Bob Wyatt

cc johnh@windwardenv.com, Burt Shephard/R10/USEPA/US@EPA, Chip Humphrey/R10/USEPA/US@EPA, jworonets@anchorenv.com

Subject Supporting Information for Benthic Risk Evaluation

Bob, as you aware, the LWG will be providing an updated benthic risk evaluation in November. Based on an initial review of the benthic risk evaluation provided in the baseline ecological risk assessment, EPA is requesting that the following information be included along with the revised benthic risk evaluation to facilitate our review of the predictive models.

Information should be provided electronically as spreadsheet files.

- Output FPM files for the optimal solution for each bioassay test and for both the low and high screening levels. We recognize that these will be large files.
- A table showing the results of all runs for each bioassay test using the range of false negative values.
- A table of potential SQG values (for both low and high screen) from which the lowest one was selected.

- The FPM files showing the calculation of reliability results using the pooled dataset for the selected SQG values.
- A table showing the reliability results using the pooled dataset for the national sediment screening values.
- It would also be helpful to have the FPM files for the runs prior to removing about one dozen chemicals to create the final chemical list.
- The formulas for calculation of reliability should be included (as well as specifying how the reliability for each low/mod/high thresholds were calculated).
- The LRM results should be provided, including all models developed, the number of samples used in model development, and the normalized chi-square goodness of fit.
- Document classification of samples as PYO and PTO. Is there an analysis to support this that has been distributed or a list of samples with the classification?

Thanks, Eric

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